

TO RECEIVE A BID PACKAGE, BIDDER MAY EITHER DOWNLOAD THE BID FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW FOR RECORD KEEPING PURPOSES. WE REQUEST THAT THE BIDDER COMPLETE THIS FORM AND RETURN TO US, EVEN WHEN BIDDER IS DOWNLOADING THE BID. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS / SERVICES YOU WILL RECEIVE.

**THE NEW JERSEY TURNPIKE AUTHORITY
PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

P.O. Box 5042
581 Main Street
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300
Fax - 732-750-5399

REQUEST FOR BIDS

TITLE: TRAILER-MOUNTED CENTRIFUGAL PUMP SETS (RE-BID)

BID NO: R-103226-Re

DUE DATE: 11/14/2013

TIME: 11:00 AM

SUBMIT BIDS BEFORE THE DUE DATE AND TIME TO THE ABOVE ADDRESS

BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO.

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO.

FAX NO

☐ **WE HAVE DOWNLOADED THE BID FROM THE AUTHORITY WEBSITE**

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FAX NO.

____BUSINESS CORPORATION____PARTNERSHIP____INDIVIDUAL

____OTHER (SPECIFY):_____

BIDDER GUIDELINES/CHECKLIST

PURSUANT TO N.J.S.A. 27:23-6.1 AND N.J.A.C. 19:9-2.1 et seq. BID PROPOSALS WHICH FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. Bids must be received at or before the public opening time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Telephone or Facsimile bids will not be accepted.
2. The bid proposal must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Bids must be firm through issuance of contract.
3. All bid proposal prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the bidder.
5. **Have you included the following documents?**
 - (a) State of New Jersey Division of Revenue Business Registration Certificate(s)
 - (b) Certification of Registration with the Secretary of State (only if a foreign (non- NJ) corporation)
 - (c) Acknowledgement of Requirement for Disclosure of Political Contributions (ELEC)
 - (d) Public Works Contractor Registration Certificate(s) (if applicable)
 - (e) Affirmative Action Information Sheet with Certificate or Form AA302
 - (f) Signed Mandatory Equal Employment Opportunity Language
 - (g) SBE/WBE/MBE Certificates and Form
 - (h) Vendor Disclosure Form (EO129 - Location of Services)
 - (i) Notice of Set-Off for State Tax (P.L. 1999, c.159)
 - (j) Automobile Waiver
 - (k) Insurance Requirement – Limits for General Liability and Automobile Liability - \$1,000,000.00 each.
 - (l) **See the Authority's Instructions to Bidders (attached) for a complete list of the Authority's standard contract Terms and Conditions, as well as Required Forms that must be included with the bid.**
6. **Failure to comply with the requirements set forth in 1-5 above may result in bid rejection.**
7. **This Request for Bids requires the following Mandatory Document(s) or the bid will be rejected:**
Stockholder/Partnership Disclosure Statement
8. Bidder must sign the Bid, or it may be rejected.
9. 3-Year Open End Option

REQUEST FOR BIDS **THIS IS NOT AN ORDER**

Sealed Bid R-103226-Re will be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main St., Woodbridge, New Jersey, as stated on the cover page at which time and place said bid will be publicly opened and read. Bidders mailing bids should allow for their normal mail delivery time to ensure timely receipt of their Public Bids. Please be advised that using overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any bid not being received by the required date and time.

INTENTION

It is the intention of the Authority to issue a Purchase Order for the purchase of **TRAILER - MOUNTED CENTRIFUGAL PUMP SETS, AS PER ATTACHED SPECIFICATIONS.** Items purchased under this Contract will be delivered as directed by the Authority. Please contact Richard Bava with any questions regarding this procurement at 732-750-5300 X 8636.

BID SHEET INSTRUCTIONS

Prospective Bidders should follow all instructions in this Request for Bids and in the standard Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this Request for Bids (collectively, "Bid Documents"). Prospective Bidders must examine the Bid Documents carefully before bidding and must ask the Director of Procurement and Materials Management in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. Any written request for interpretation or correction shall be directed to the Director of Procurement and Materials Management. Written requests can be submitted by FAX at 732-750-5399. If necessary, an interpretation or correction shall be issued by the Director of Procurement and Materials Management as an Addendum and FAXED to prospective Bidders who have obtained the Bid Documents. Upon the issuing of an Addendum, the content of the Addendum shall become part of the Bid Documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the bid opening date.**

Only written interpretations or corrections issued by the Director of Procurement and Materials Management by Addendum shall be binding.

The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its

Bid, fails to notify the Director of Procurement and Materials Management of the existence of an ambiguity, inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the interpretation of such ambiguity or inconsistency. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the bidder. Bids containing any conditions, omissions, erasures, alterations, or items not called for in this Request for Bids, or irregularities of any kind, may be rejected by the Authority, in its sole discretion, as being incomplete. The bidders shall not attach conditions, limitations or provisos to their Bid, except in cases where "Exceptions" are permitted.

The Authority will accept Approved Equivalent items on this bid. If a bidder is basing the proposal on items other than what is specified, and wishes the items he proposes to be considered as an "Approved Equivalent," the Bidder shall enter a price on the bid sheet then submit on the Exception Sheet in the exact format of the line item on the Request for Bids contained herein, the item number, an item description, including manufacturers name, model number, and packaging quantities of those Items which the Bidder proposes to substitute.

Bidders must quote only one price per line item. If a bidder quotes multiple prices per line item, the bid proposal may be rejected. All items are to be bid FOB Destination. All shipping, handling, and other costs should be considered in the bid price. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases to line item quantities.

Contract award will be made to the lowest, responsible bidder.

BID PRICE FORM

ITEM	QUAN.	UNIT OF MEAS.	DESCRIPTION	UNIT PRICE	TOTAL BID PRICE
1	2	Each	TRAILER - MOUNTED 3" AUTOMATIC CENTRIFUGAL DIESEL-POWERED PUMP SET, AS PER ATTACHED SPECIFICATIONS.	\$	\$

Contract award will be made to the lowest, responsible bidder.

**ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX NO LATER THAN FIVE (5)
BUSINESS DAYS BEFORE BID OPENING**

DELIVERY DATE _____, to sites as specified in the bid specifications.
Discount Terms Based On Net 30 Days Only.

NEW JERSEY TURNPIKE AUTHORITY

AUTHORIZED SIGNATURE

Name of Company and / Authorized Signature of Bidder

SIGNATURE PAGE

ADDENDA / INQUIRIES: COMPLETE (if applicable) BEFORE SUBMITTING BID:

Receipt of Addendum / Inquiries # _____ dated _____ is hereby acknowledged.

Receipt of Addendum / Inquiries # _____ dated _____ is hereby acknowledged.

☐

CHECK BOX IF NO ADDENDA/INQUIRY ISSUED

(All Addenda / Inquiries must be acknowledged as indicated above.)

BID IRREVOCABLE: This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this bid except in those instances where an unsuccessful bidder has filed a Protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a Protest, Bidders are required to hold their prices for an additional 90 days. All bidders will be notified in writing of the action taken by the Authority.

OFFER/CERTIFICATION: The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this bid with full authority so to do; and that all statements contained in this bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

AUTHORIZED SIGNATURE: _____

Print Name and Title: _____

Bidding Entity: _____

Address: _____

City, State, Zip: _____

Telephone #: _____ Fax: _____

NEW JERSEY TURNPIKE AUTHORITY

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: R-103226-Re

**BID TITLE: TRAILER - MOUNTED 3" AUTOMATIC CENTRIFUGAL
DIESEL-POWERED PUMP SETS**

If you do not choose to respond to this Bid, please complete the form below:

Name of Company_____

Reason you did not respond (Check all that apply)

- _____ Cannot supply product or service
- _____ Cannot meet technical specifications
- _____ Cannot meet delivery specifications
- _____ Cannot meet legal requirements
(i.e. bid/performance/security/insurance, etc.)
- _____ Cannot provide a competitive price at this time
- _____ Interested in receiving specifications for informational purposes only.
- _____ Insufficient lead time to respond
- _____ Other : (please be specific)

Do you wish to remain on our mailing list?

_____Yes _____No

Additional comments: _____

Signed : (optional)_____
Company:_____

ADDITIONAL YEARS PURCHASING OPTION, for R-103226-Re

BID TITLE: TRAILER-MOUNTED PUMP SETS

3- Year Open End Option: The Authority shall have the option for one (1) Model Year* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those required herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes in the two subsequent Model Years, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it is so desires re-bid the requirement.

*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request For Quotation. In that instance where proposals are for equipment for which "Model Year" and "Production Cut-Off Dates" are undefined or non-existent, the "Model Year" is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is_____.

NEW JERSEY TURNPIKE AUTHORITY

GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR:

Quantity	Description	Maximum Delivery Date
2	Trailer-Mounted 3" Automatic Priming Centrifugal Diesel-Powered Pump Set	90 Days After Receipt of Order

SPECIFICATIONS:

TMTP-2013 TRAILER-MOUNTED PUMP SET
7PTC-TRAILER PLUG DIAGRAM

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, where applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

PILOT MODEL: Questions, which arise before or during the preparation of the pilot model, shall be addressed in writing via e-mail from the vendor to Peter Perperas (Project Supervisor), perperas@turnpike.state.nj.us at the New Jersey Turnpike Authority on a not to delay basis. The awarded bidder shall make available one **fully completed** pilot model for inspection and approval by the Authority. The unit shall be transported (responsibility of the awarded vendor) to the NJTA Garden State Parkway Division's Telegraph Hill Maintenance Facility located at Garden State Parkway Exit 116 in Holmdel, NJ 07733.

DELIVERY INSTRUCTIONS:

- A. Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**
- B. Vendor shall be responsible for all delivery, shipping and pick-up expenses.
- C. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to delivery.
- D. The following administrative package **must** accompany all deliveries:
 - Certificate of Origin: stamped “Sales Tax Satisfied” and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - Invoice: purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - Warranty forms properly executed.
 - Four (4) keys, keyed alike for the control boxes, battery compartments, and any other enclosed compartments shall be furnished for each board. **NO EXCEPTIONS**
 - Delivery of all units fully completed and fully compliant shall be made no later ninety (90) days after receipt of Purchase Order.

WARRANTY: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a **minimum** of one (1) year from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written acceptance of units by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty. All warranty periods shall start from date of acceptance of unit by the New Jersey Turnpike Authority.

EXCEPTION SHEET: Bidders taking exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word “None” shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder’s exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

UNIT INFORMATION FORM: Vendor shall complete the entire Unit Information Form. **Failure to complete form may result in rejection of bid.**

TRAINING: It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer’s owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall be scheduled and take place at one (1) site consisting of at least eight (8) hours designated by the New Jersey Turnpike Authority.

LABELS: Plastic stick-on labels shall not be acceptable.

ADVERTISEMENTS: No Dealer advertisements shall appear on unit.

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location_____

Phone #_____

Contact_____

Name & Title_____

**SPECIFICATIONS: TMTP-2013
TRAILER-MOUNTED PUMP SET**

INTENT: It is the intent of this specification to describe and govern the purchase of a trailer-mounted, automatic self-priming 3" diesel-powered pump set. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items when available. **NO EXCEPTIONS**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

GENERAL:	COMPLY	
	YES	NO
A. Unit shall be a trailer-mounted, automatic self-priming 3" diesel-powered pumpset.		
B. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid.		
C. All standard and optional equipment shall be Original Equipment Manufacturers (OEM) items when available. NO EXCEPTIONS		
D. The manufacturer shall conform to ANSI B16.1 Standard for Cast Iron Pipe Flanges and Flanged Fittings.		
E. The pump shall be fitted with a fully automatic priming system incorporating an air compressor, air ejector assembly, and an air/water separation tank.		
F. No water shall be required in the pump to achieve a prime.		
G. The air ejector shall operate on the discharge side of the compressor, eliminating the possibility of water being drawn into the air source.		
H. The pump must be capable of running totally dry for periods of up to 24 hours.		

I. The pump shall be capable of static lifts of at least 28'.		
J. Unit shall be capable of operation using extended suction lines.		
K. Flow rate shall be 400 gpm.		
FEATURES:		
A. Operating speed: 3,000 rpm.		
B. Solids handling size: 2".		
C. Impeller diameter: 7".		
D. Suction size: 3".		
E. Discharge size: 3".		
F. Suction lift: 28'.		
PUMP CASING:		
A. The pump casing shall be cast iron.		
B. Casing shall be constructed so that the suction flow path is in axial alignment with the impeller eye.		
C. There shall be no turns, chambers or valves between the suction line or inlet and the impeller.		
IMPELLERS:		
A. The impeller shall be of open non-clog type with pump out vanes on the back shroud.		
B. The impeller shall be of hardened cast chromium steel construction.		
WEARPLATES:		
A. Wearplates shall be fully adjustable, replaceable, and fabricated of cast iron.		
PUMP SHAFT:		
A. Pump shall be designed of carbon steel.		
SEALS:		
A. Seals shall be high-pressure, mechanical self-adjusting type with silicon carbide faces.		
PUMP GASKETS:		
A. The pump gaskets shall be made up of compressed fiber and/or Teflon.		
NON-RETURN VALVE:		
A. The pump shall be supplied with an integral ball check valve mounted on the discharge flange of the pump allowing unrestricted flow into the impeller.		
B. The check valve shall prevent in-line return of flow when the pump is shutoff.		
DRIVE:		
A. Diesel type water-cooled engine.		
B. Yanmar model or approved equivalent diesel engine rated at 14 hp @ 2200 rpm's.		
C. Starter shall be 12-volt electric.		
D. Provide safety shutdown switches for low oil pressure and high temperature.		
E. Unit shall include a tachometer and an hour meter.		

F. Maintenance free battery.		
G. All standard items shall be included with the engine.		
GOVERNOR:		
A. The governor shall be a mechanical type.		
B. The engine speed shall be adjustable to operate the pump between maximum and minimum design operation speeds.		
FUEL TANK:		
A. The integral fuel tank shall have a minimum 30 gallon capacity.		
TRAILER:		
A. The pump and engine shall be trailer-mounted with a standard 3" i.d. lunette eye for towing, which shall be adjustable in height from ground level at a minimum of 20" to a maximum of 30".		
B. Two (2) safety chains shall be welded to the tongue of the trailer.		
C. Safety chains shall be at least 3/8" thick high-test chain with a grab hook on the end of each chain.		
D. Provide a 7-pole round pin trailer plug wired per SAE code J506B (See Specifications: 7PTC).		
E. Trailer plug shall extend at least 18" past lunette eye in order to reach the towing vehicles receptacle.		
F. All lighting shall be in accordance with all Federal and State Motor Vehicle Regulations and be ICC approved.		
G. Unit shall have LED type recessed lights, license plate bracket including light, and weatherproof registration holder.		
H. Trailer shall be equipped with fenders, front and rear support stands, lifting bar, and side/rear reflectors.		
I. The tires and torsion bar suspension shall be sufficiently sized for the required load rating ranges.		
J. The complete trailer design shall be in compliance with applicable DOT Regulations.		
K. The trailer shall be able to be towed at a speed of at least 50 mph.		
PAINTING:		
A. Unit shall be painted with DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent.		
B. Paint shall be applied in a two-step process with the orange base coat and additional polyurethane overcoat.		
HOSES & ACCESSORIES:		
A. It shall be the responsibility of the awarded vendor to ensure that all components, fittings, pipes, and attachments are fully compatible with pump set.		
B. The following hoses and accessories shall be supplied with the unit: <ul style="list-style-type: none"> One (1) 3" Female Godwin (or approved equivalent) QD x 3" 150# suction adapter. One (1) 3" Male Godwin (or approved equivalent) QD x 3" 150# 		

<p>discharge adapter.</p> <ul style="list-style-type: none"> • Three (3) 3" x 20' Black Water suction hose with Godwin (or approved equivalent) QD fittings. • Eight (8) 3" x 50' Heavy-Duty Layflat hose with Godwin (or approved equivalent) QD fittings. • One (1) 3" Godwin (or approved equivalent) QD step bow. • One (1) 3" 90° Godwin (or approved equivalent) QD bend. • Three (3) 3" Godwin (or approved equivalent) QD O-rings. 		
C. All quick-disconnect hose fittings, adapters, and pipe products shall be of high-tensile, cold-rolled strip steel, electrically welded, hot galvanized, and zinc coated.		
D. All pipe joints shall have a ball and socket type connection and incorporate a rubber O-ring and lever closure ring for positive sealing.		
MANUALS:		
<p>A. The following manuals shall be provided upon delivery for <u>each</u> unit ordered in either paper or computer disc format:</p> <ul style="list-style-type: none"> • Operating-2 (paper only) • Service-1 • Parts-1 		

SPECIFICATIONS: 7PTC

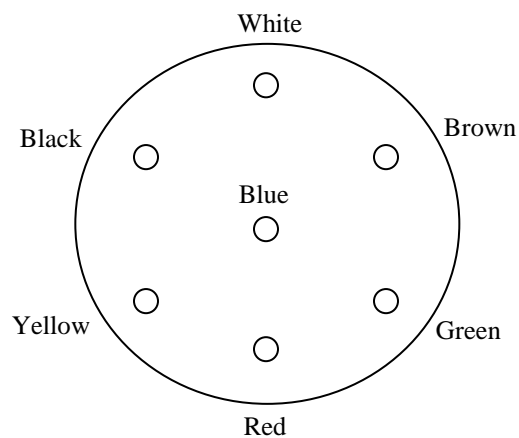
7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

CONNECTOR MARKING COLOR

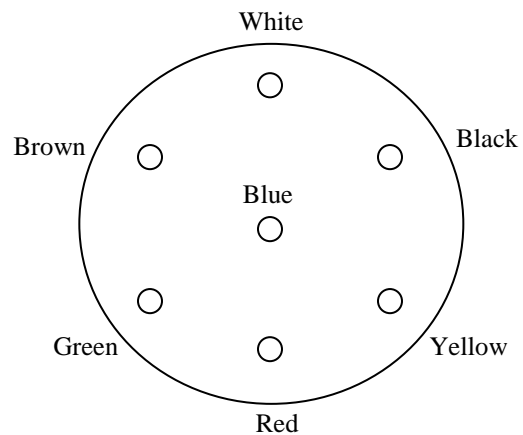
APPLICATION

WHITE.....	GROUND
BLACK.....	TAIL LIGHT
BROWN.....	TAIL LIGHT
YELLOW.....	LEFT TURN SIGNAL
GREEN.....	RIGHT TURN SIGNAL
RED.....	ELECTRIC BRAKE
BLUE.....	12-VOLT BATTERY- WITH 30-AMP AUTOMATIC BIMETAL THERMAL RESET CIRCUIT PROTECTION.

SOCKET MARKINGS



PLUG MARKINGS



FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

I. PUMP:

YEAR:_____MAKE:_____MODEL:_____

SUCTION SIZE:_____INCHES

DISCHARGE SIZE:_____INCHES

SOLIDS HANDLING SIZE:_____INCHES

IMPELLER DIAMETER:_____INCHES

SUCTION LIFT:_____FEET

FLOW RATE:_____GALLONS/MINUTE

II. ENGINE:

YEAR:_____MAKE:_____MODEL:_____

HP:_____@ 2200 RPM'S

FUEL TANK CAPACITY:_____GALLONS

SERVICING AGENCY:_____

LOCATED AT:_____

TELEPHONE NO:_____

CONTACT _____

Name & Title

[illegible]

Signature of Vendor Responsible Officer	Date
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